TROUBLESHOOTING GUIDE

Cabinet appears 'dead'. Check that the power lead is correctly fitted into a working socket and also pushed firmly into the rear connector on the cabinet. Check that the cabinet is switched on using the illuminated green power switch on the front of the cabinet.

Overheat red safety light is permanently on. The cabinet will not be heating above the safety dial setting even if the operating temperature is set higher. If safe, increase the safety setting.

Cabinet is not heating.

Is the red safety light on? Adjust operating temperature and/or safety dial. The amber heat light should now come on and the cabinet should be warming up. If the amber light is on but the cabinet is not heating the problem will probably be either a faulty overheat safety thermostat or heating element. Contact your supplier for assistance.

Cabinet is not cooling.

If the control system is set correctly but there is no cooling first check that the air intake grille is not blocked or covered. If this is Ok then it is either a Peltier or controller problem. Contact your supplier for assistance.

Amber light keeps going on and off. This is normal operation and is not a fault.

Safety thermostat reads incorrectly. This is caused by someone forcing the dial knob. Gently force the dial knob back – clockwise to decrease the reading and anticlockwise to increase the reading.

Door won't close properly. The door roller catch mechanism needs adjustment or replacing.

If in doubt please call your supplier.

USER MANUAL FOR

JIM ENGINEERING

CH CHILLED LABORATORY INCUBATORS

CE

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Thank you for purchasing this laboratory oven or incubator. It has been carefully manufactured in the UK and designed to give long service.

SAFETY & CLEANING

Electrical:
This cabinet is supplied with a ready made mains lead conforming to international standards :–
Green/yellow = earth Blue = neutral Brown = live
A fused plug or distribution board must be used.
This apparatus MUST be fully earthed.
For a complete electrical disconnection pull out the mains plug.

Cleaning:
This is an electrical appliance. The chamber and outside cabinet should only be cleaned with a damp detergent cloth or alcohol wipe only after disconnection from the electric supply. Leave the door open to aid drying before plugging in the electric supply and switching on again.

Spillages:
All spillages must be cleaned up immediately – remember to disconnect from the electric supply first. Major spillages in the chamber should be cleaned away and the appliance checked by a competent electrician before being put back into use. Any damage caused by spillages is not covered by the warranty.

The fan is designed to run continuously even with the door open.

If in doubt please call your supplier.

HEALTH & SAFETY

Employ only qualified engineers. Before starting any maintenance work:

Pull out the mains plug for a complete electrical disconnection.

This is a heating/cooling device. Internal surfaces may be hot. Allow sufficient time for surfaces to cool to room temperature.

OPERATING INSTRUCTIONS

1 Site the cabinet on an even, level surface. Special static or mobile stands are available.

2 Connect to the mains supply and switch on. The on/off switch will illuminate. Wait for the orange heat lamp to come on (can take a few minutes whilst the controller self actuates).

3 Set the controller to the desired operating temperature using the /\ and \/ buttons. If operating around or below room temperature switch the cooling on.
Set the overheat safety dial to approximately 5C above the operating temperature.

4 The **amber** heat light will illuminate when there is power applied to the heating element. Once the chamber air temperature has reached the required operating temperature the amber light will periodically switch on and off.

5 If the **red** overheat safety light comes on check that the red safety dial setting is not too close to the operating temperature and adjust.

Digital controller

6 To adjust the operating setting push ‘P’ then use the /\ and \/ buttons to display the desired control temperature (lower display), then push the ‘P’ button again to confirm the new setting. Wait about 10 seconds and the display will now show the new ‘set’ (lower number) and ‘measured’ (top number) values.

The cabinet will now start to control to the new set value.

NEVER place anything over the air intake grille on the top of the incubator.

If in doubt please call your supplier.

IMPORTANT
This incubator is not internally spark-free.
DO NOT USE IN PRESENCE OF FLAMMABLE OR EXPLOSIVE VAPOURS